



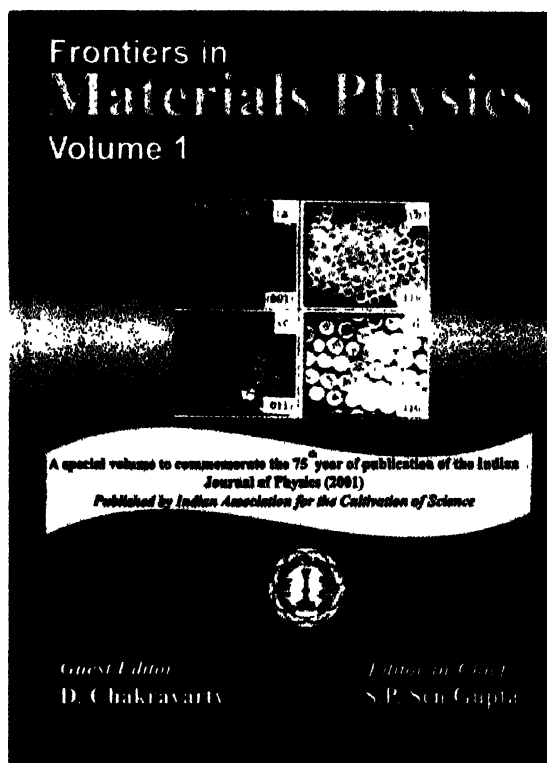
FROM EDITOR'S DESK

I am happy to announce that the year 2001 is a significant year in the history of IACS as it marks the celebration of two important events namely,

175th year of publication of Indian Journal of Physics

125th year of existence of Indian Association for the Cultivation of Science

To commemorate these two events of historical interests, the Board of Editors has decided to publish Special Commemoration Volumes in a larger scale so as to reach all sections of readers. Consequently, 6 Special Volumes will be published (through Messrs. Allied Publishers Pvt. Ltd., New Delhi) in frontier areas of current interests, along with another publication from us on “**Landmark Publications in IJP in past 75 years**”. Volume 1 (Frontiers in Materials Physics) has just been published and other publications in the areas of Astrophysics (Vol. 2), Atomic and Molecular Physics (Vol. 3), High Energy Physics (Vol. 4), Condensed Matter Physics (Vol. 5) and Biophysics (Vol. 6), will be made within this year. Announcements will appear in the IJP issues regularly and interested readers and subscribers, for the purchase of these Volumes, may contact us for ‘**Landmark Publication**’ and M/s. Allied Publishers Pvt. Ltd. for Volumes 1-6.



List of Contributors :

C. N. R. Rao, A. Govindaraj,
F. Leonard Deepak and
T. Poovarasam
Ping Sheng, Weijia Wen,
Lingyun Zhang, N. Wang,
Z. Lin, H. Ma, C. T. Chan and
Wing Yim Tam,
C. C. Koch,
D. Chakravorty, S. Banerjee,
M. Pal, P. Brahma, S Roy,
B. Roy and D. Das
S. K. Joshi and Ratan Lal
A. K. Raychaudhuri
H. Jain
E. S. R. Gopal, J. T. Devaraju,
and S. Asokan
M. K. Sanyal, S. Banerjee,
S. R. Bhattacharyya,
P. Chakraborty, T. K. Chini,
A. Datta, D. Ghosh, S. Hazra,
S. Kundu and M. Mukherjee

Published by

Messrs. Allied Publishers Private Ltd.

New Delhi

1/13-14, Asaf Ali Road, New Delhi-110 002

Kolkata

17 Chittaranjan Avenue, Kolkata-700 072

Mumbai

15, J. N. Heredia Marg, Ballard Estate, Mumbai-400 038

Chennai

751 Anna Salai, Chennai-600 002

Nanomaterials – 2003

National Seminar on Science & Technology of Nanomaterials

6-7 March, 2003

**Organised by West Bengal Academy of Science & Technology
(Physical Sciences Section)**

&

**Materials Research Society of India
(Kolkata Chapter)**

Venue MNS Auditorium, Central Glass & Ceramic Research Institute (CGCRI), Jadavpur, Kolkata

High light The 2-day seminar will mainly focus upon following topics :

- ☆ *Synthesis of nanocrystalline materials*
- ☆ *Characterisation of nano-materials—structural, physical and mechanical*
- ☆ *Nano technology—Device, Applications & Possibilities*
- ☆ *Overview—panel discussions*

Seminar includes Invited Talks & Oral/Poster presentations on the above topics.

Abstracts in 250 words to be sent before 31 December, 2002.

Confirmation of participation with Registration Fee (Rs. 200/Rs. 100 for research fellows) to be sent before 31 January, 2003.

Information from :

Professor S P Sen Gupta (Convener)
Department of Materials Science,
IACS, Jadavpur, Kolkata-700 032
e-mail : msspsg@iacs.res.in

Dr. A Ghosh (Secretary)
Department of Solid State Physics,
IACS, Jadavpur, Kolkata-700 032
e-mail : sspag@iacs.res.in

nature physics portal

quick search: ☒ portal ☐ nature

vol: **page:**

advanced search

naturejobs


- search jobs
- career info
- spotlight
- events

nature

- home
- submit
- subscribe
- insights
- feature of the week

resources

- encyclopedia of astronomy & astrophysics
- encyclopedia of life sciences



© Nature Publishing Group 2002

Welcome to the Physics Portal

The Nature physics portal is an essential resource for physicists providing highlights of the latest research in Nature and elsewhere.

Editor required for the Nature physics portal


newnature

The table of contents of this week's *Nature*, selected especially for physicists

researchhighlights

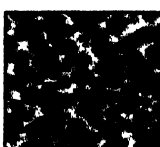
Making a point

High brightness electron source made from a carbon nanotube (*Nature*, 28 November 2002)




Emergent magnetism

Making better magnets through nanocomposite self-assembly (*Nature*, 28 November 2002)




In brief: Acoustic time-reversal

Making better clocks with ultracold neutral atoms (*Phys. Rev. Lett.*, 15 November, 2002)



In brief: Tri-state entanglement

Entangling photons in three dimensions (*Phys. Rev. Lett.*, 4 20 November 2002)



researchcollections

Browse Nature's recent archive of physics research and comment, collected by subfield

news

From *Nature*, 28 November 2002

Maths adds up for Berlin centre

Visa clampdown hits home at US universities

Manchester merger set to proceed as southerners go solo

Stanford gets the green from energy firms

IBM gets up to speed on supercomputer plan

opinion: Postdoctoral abuse (cont.)

More news stories...


information

- meeting
- links
- about the portal

services

- e-alert
- sign up
- help
- feedback
- search

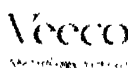
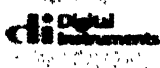
newsletter



September 2002

Free online access to issue 1 available NOW!

supported by

lookingback...

Classic physics papers from Nature's archives, including the discovery of the neutron, the structure of DNA, the first laser, and much more...

magazine

Stimulating and informative reading from Nature's 'magazine' sections

renaissancephysicist

Short, readable articles on everything but physics to keep you well-rounded

(Published under an arrangement with Nature)

<http://www.nature.com/physics/>

ANNOUNCEMENT

nature physicsportal

search

naturejobs

- search jobs
- career info
- spotlight
- events

nature

- home
- submit
- subscribe
- insights
- feature of the week

resources

- encyclopedia of astronomy & astrophysics
- encyclopedia of life sciences



© Nature Publishing Group 2002

Welcome to the Physics Portal

The *Nature* physics portal is a one-stop resource for physicists, providing highlights of the latest research in *Nature* and elsewhere.

Editor required for the *Nature* physics portal

newnature

The table of contents of this week's *Nature*, selected especially for physicists

researchhighlights

Beware falling rocks
Reassessing the rate at which asteroids hit Earth (*Nature*, 21 November 2002)



Physics in biology: Stochastic balance
Noise found to enhance the control of human balance (*Phys. Rev. Lett.*, 13 November 2002)



Fissile superconductivity
Plutonium alloy joins the growing list of superconductors (*Nature*, 21 November 2002)



In brief: Bounding the cosmos
Using experimental data to place bounds on quantum gravity (*Phys. Rev. Lett.*, 14 November 2002)



More highlights...

lookingback...

Classic physics papers from *Nature's* archives, including the discovery of the neutron, the structure of DNA, the first laser, and more.

magazine

Stimulating and informative reading from *Nature's* 'magazine' sections

researchcollections

Browse *Nature's* recent archive of physics research and comment, collected by subfield

news

From *Nature*, 21 November 2002

Cambridge-MIT Institute probed

Congress backs historic expansion on NSF

Physics guidelines drop equal-responsibility clause

Russians brought to book as Newton snatch is derailed

opinion: A turn-up for the National Science Foundation

Astronomy: The heavens at your fingertips

More news stories... [searchjobs](#)

naturejobs physics

Trinity College, Dublin
Lectureships in Physics

Applications invited for two contract lectureships

[view full description](#)

problempage

When it's time for a coffee break or a rest from the screen, one of our teasers should keep you occupied for ten minutes — or longer!

renaissancephysicist

Check out the online archive of early 20th-century physics papers, from the first quantum mechanics papers to the discovery of the neutron.

information

- meeting
- links
- about the portal

services

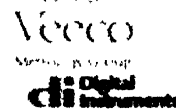
- e-alert
- sign up
- help
- feedback
- search

newdive



September 2002
Free online access to Issue 1 available NOW!

supportedby



(Published under an arrangement with Nature)

<http://www.nature.com/physics/>

nature physicsportal

quick search

portal

nature

vol

page

advanced search

naturejobs

- search jobs
- career info
- spotlight
- events

nature

- home
- submit
- subscribe
- insights
- feature of the week

resources

- encyclopedia of astronomy & astrophysics
- encyclopedia of life sciences



© Nature Publishing Group 2002

Welcome to the Physics Portal

The *Nature* physics portal is a one-stop resource for physicists, providing highlights of the latest research in *Nature* and elsewhere.

Editor required for the *Nature* physics portal

newnature

The table of contents of this week's *Nature*, selected especially for physicists

researchhighlights

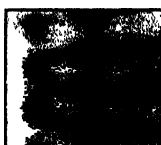
Three-way liquid crystal
Tristable liquid-crystal device demonstrated
(*Nature*, 14 November 2002)



Folling quantum cheats
Protocol developed to limit cheating in a quantum coin toss
(*Phys. Rev. Lett.*, 6 November 2002)



In brief: Turning up the heat
Increasing the output power of extreme infrared radiation sources
(*Nature*, 14 November 2002)



In brief: Atomic guidance
Building complex waveguides for beams of neutral atoms
(*Phys. Rev. Lett.*, 7 November 2002)



More highlights...

lookingback...

Classic physics papers from *Nature's* archives, including the discovery of the neutron, the structure of DNA, the first laser, and much more...

magazine

Stimulating and informative reading from *Nature's* 'magazine' sections

researchcollections

Browse *Nature's* recent archive of physics research and comment, collected by subfield

news

From *Nature*, 14 November 2002

Space station set for sky-high profile

Academy slams Internet arts and sciences lookalike

Republican win sparks fears for science funds

Venus Express cleared for take-off

Indian to boost physics in poorest countries

One small step backwards as NASA scraps hoax denial

opinion: Frameworks can be too rigid

More news stories...

searchjobs

naturejobs
physics

University of Guelph
Associate Professor
Guelph, ON Canada
Department of Physics
Faculty positions in Solid State Matter, Biophysics
view full description

problempage

When it's time for a coffee break or a rest from the screen, one of our teasers should keep you occupied for ten minutes — or longer!

renaissancephysicist

Short, readable articles on everything that physics has done, you will treasure

information

- meeting
- links
- about the portal

services

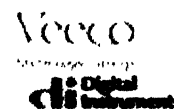
- e-alert
- sign up
- help
- feedback
- search

newsletter



September 2002
Free online access to issue 1 available NOW!

supported by



(Published under an arrangement with Nature)

<http://www.nature.com/physics/>

nature physicsportal

home | portal | nature | vol | page | advanced search

naturejobs

- search jobs
- career info
- spotlight
- events

nature

- home
- submit
- subscribe
- insights
- feature of the week

resources

- encyclopedia of astronomy & astrophysics
- encyclopedia of life sciences



© Nature Publishing Group 2002

Welcome to the Physics Portal

The *Nature* physics portal is a one-stop resource for physicists, providing highlights of the latest research in *Nature* and elsewhere.

Editor required for the *Nature* physics portal

newnature

The table of contents of this week's *Nature*, selected especially for physicists

researchhighlights

Frozen frustration
Exploring the curious behaviour of frustrated magnets at high pressure (Nature, 7 November 2002)



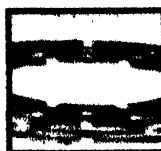
To the heart of the antimatter
Probing the internal states of antihydrogen (Phys. Rev. Lett., 31 October 2002)



Nanowires wrapped up
Coaxial nanowires bring electronics down to size (Nature, 7 November 2002)



In brief:
Microtrampoline
Detecting motion with a micromachined Fabry-Perot interferometer (Phys. Rev. Lett., 2002)



More highlights...

lookingback...

Check out our new feature: **archive**, containing the complete archive of *Nature* physics portal.

magazine

Stimulating and informative reading from *Nature*'s 'magazine' sections

researchcollections

Browse *Nature*'s recent archive of physics research and comment, collected by subfield

From *Nature*, 7 November 2002

Academies back Smithsonian's calls for direct funds

Theses spark twin dilemma for physicist

Japanese physicists beam as meson production soars

Cassini sends first postcard from long-haul trip to Saturn

One small step by NASA aims to end hoax lunacy

opinion: Reform by stealth

More news stories...

searchjobs

naturejobs
physics

University of Guelph
Associate Professor
Physics, ON Canada
Department of Physics
Physics Institute in Solid
State Physics, Electronics
View full description

problempage

When it's time for a coffee break or a rest from the screen, one of our teasers should keep you occupied for ten minutes — or longer!

renaissancephysicist

Check out our new feature: **archive**, containing the complete archive of *Nature* physics portal.

information

- meeting
- links
- about the portal

services

- e-alert
- sign up
- help
- feedback
- search

newsletter



September 2002
Free online access to issue 1 available NOW!

sponsoredby



(Published under an arrangement with Nature)

<http://www.nature.com/physics/>